



Statement of Volatility – Dell Latitude 6430u

⚠ CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

The Dell Latitude 6430u contains both volatile and non-volatile (NV) components. Volatile components lose their data immediately after power is removed from the component. Non-volatile (NV) components continue to retain their data even after power is removed from the component. The following NV components are present on the Latitude 6430u system board.

Table 1. List of Non-Volatile Components on System Board

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Embedded Flash memory in embedded controller MEC5055	U51	256K and 2K byte of embedded Flash memory for embedded controller BIOS code, asset tag and BIOS passwords	No	N/A
Panel EDID EEPROM	Part of LCD panel assembly	Non Volatile memory 64K bytes. Stores panel manufacturing information, display configuration data	No	N/A
System BIOS	U52,U53	Non Volatile memory, 64Mbit (8MB), 32Mbit (4MB) System BIOS and Video BIOS for basic boot operation, PSA (on board diags), PXE diags.	No	N/A
System Memory – DDR3 memory	Connectors JDIMMA and JDIMMB	Volatile memory in OFF state (see state definitions later in text) One or both modules will be populated. System memory size will depend on SoDIMM modules and will be between 1GB to 16GB	Yes	Power off system
System memory SPD EEPROM	On memory SoDIMM(s) – one or two present	Non-Volatile memory 2Kbit (256 bytes). One device present on each SoDIMM. Stores memory manufacturer data and timing information for correct operation of system memory.	No	N/A
RTC CMOS	UH4	Non Volatile memory 256 bytes Stores CMOS information	No	Remove the on-board coin cell battery
Video memory – type – see next column	UMA architecture-uses system DDR3.	UMA uses main system memory size allocated out of main memory.	N/A	N/A

Description	Reference Designator	Volatility Description	User Accessible for external data	Remedial Action (Action necessary to prevent loss of data)
Security Controller Serial Flash Memory	N/A	Non Volatile memory, 16 Mbit (2Mbyte)	No	N/A
Security Controller	N/A	128K byte ROM, 128K bit one time programmable	No	NA
TPM Controller	U39	Non Volatile memory, 2K bits (256 bytes) ROM	No	NA
Hard drive	User replaceable	Non Volatile magnetic media, various sizes in GB	Yes	Low level format
CD-ROM/RW/ DVD/ DVD+RW/ Diskette Drives	N/A	Non Volatile optical/magnetic media	N/A	Low level format / erase

⚠ CAUTION: All other components on the system board lose data if power is removed from the system. Primary power loss (unplugging the power cord and removing the battery) destroys all user data on the memory (DDR3, 1600 MHz). Secondary power loss (removing the on-board coin-cell battery) destroys system data on the system configuration and time-of-day information.

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